

Fig. 1

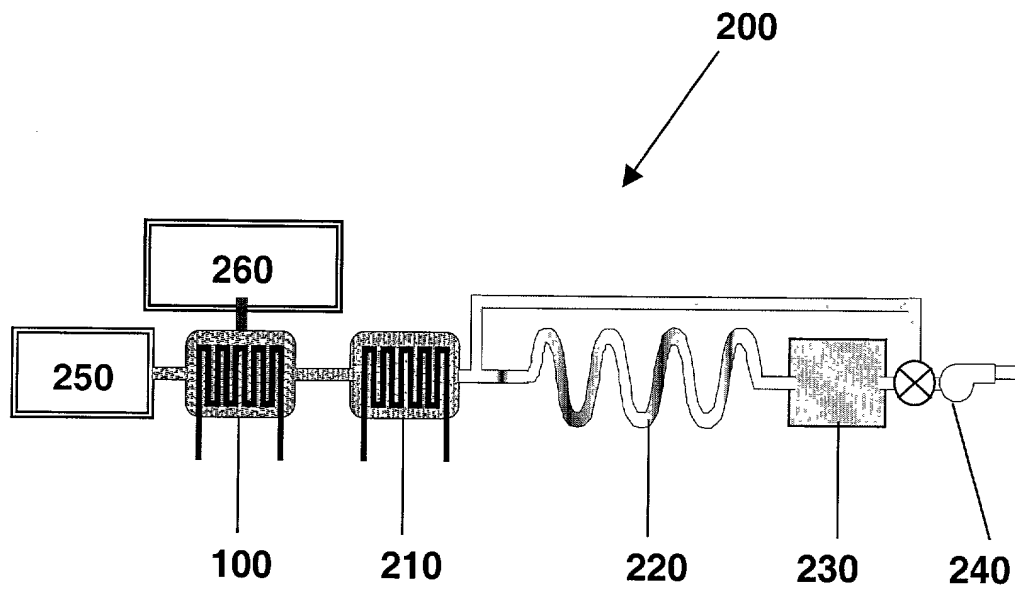
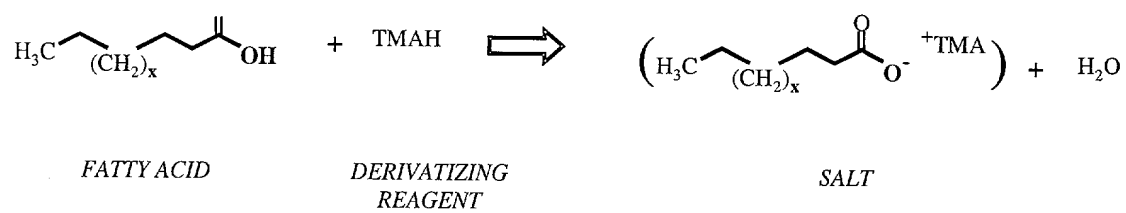


Fig. 2

## Derivatization



## Pyrolysis

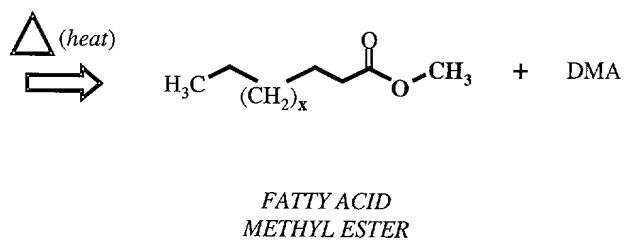


Fig. 3

Fig. 4a

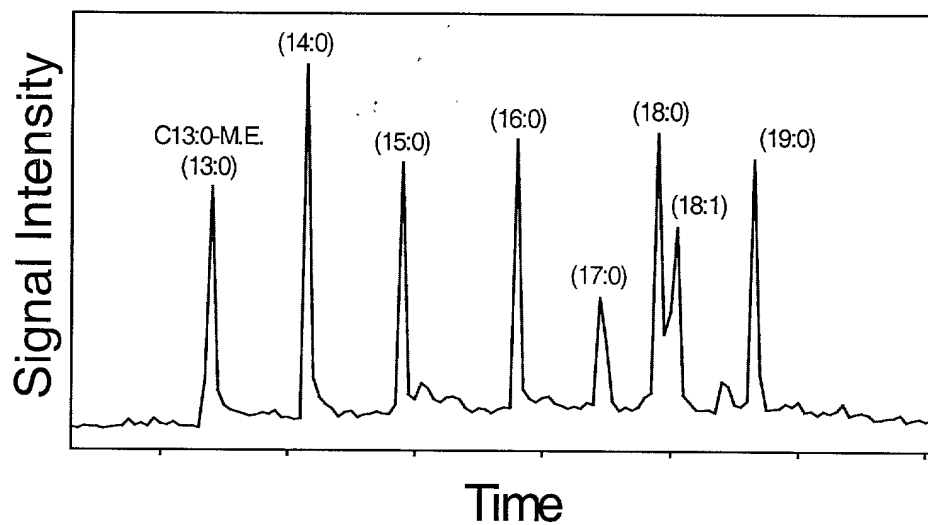


Fig. 4b

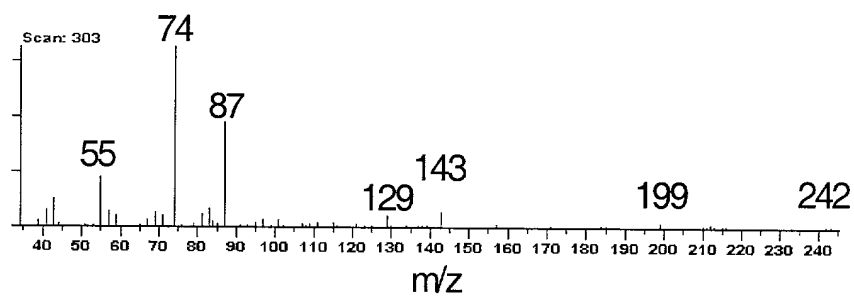
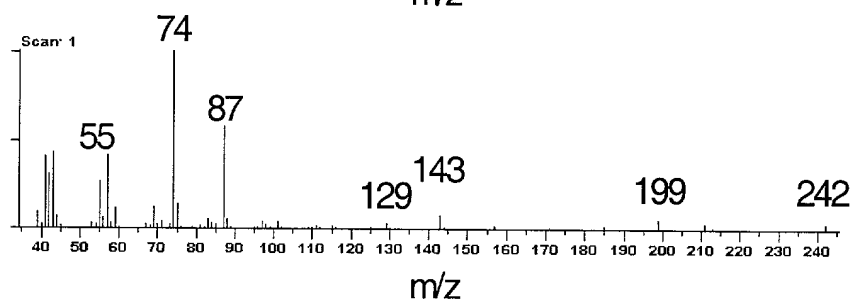
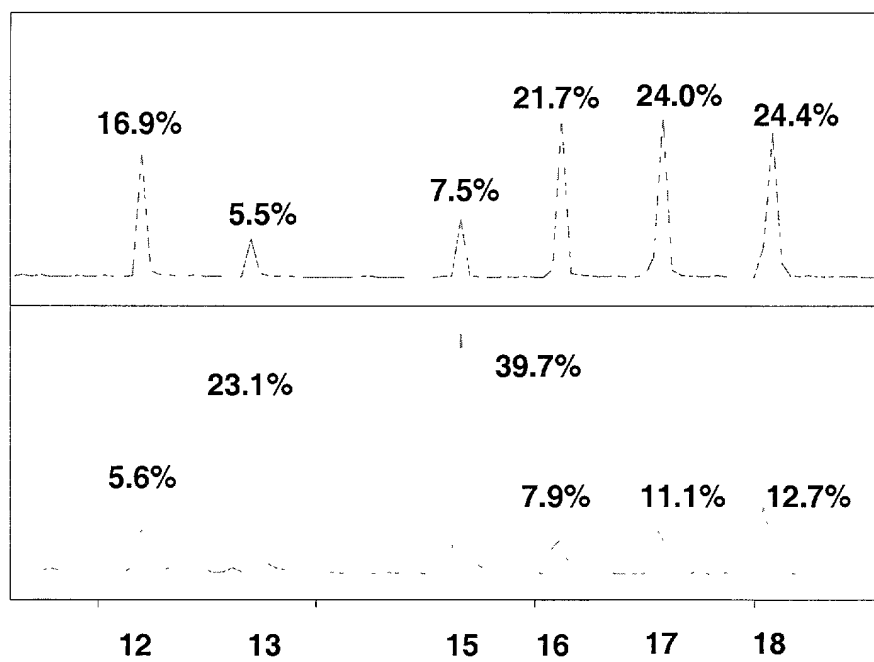


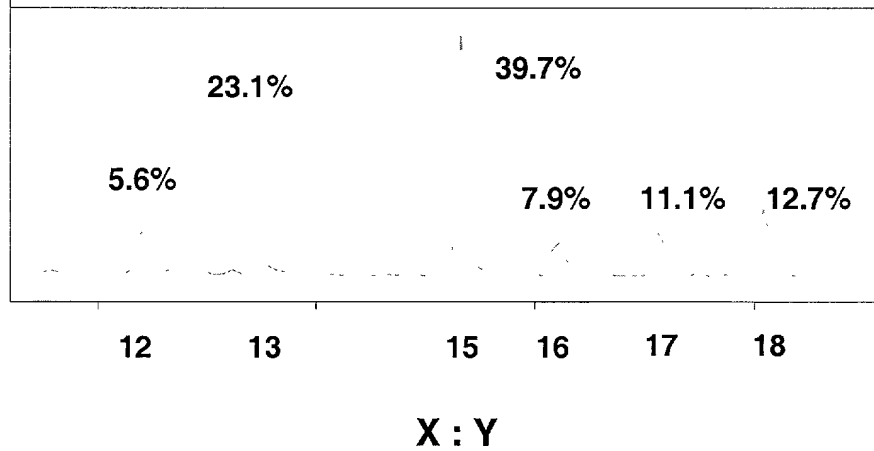
Fig. 4c



**Fig. 5a**



**Fig. 5b**



**X:Y**

Fig. 6a

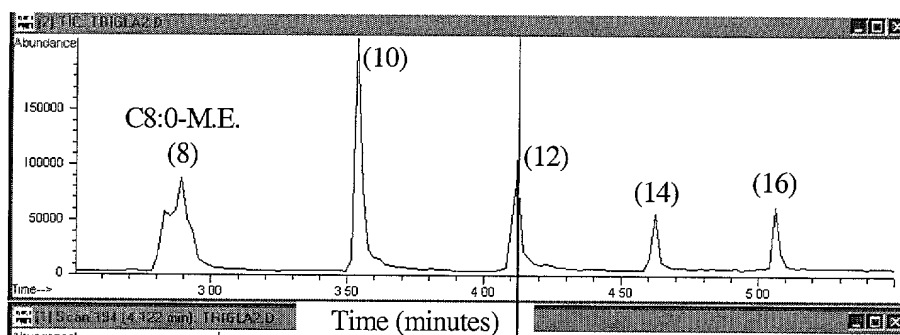
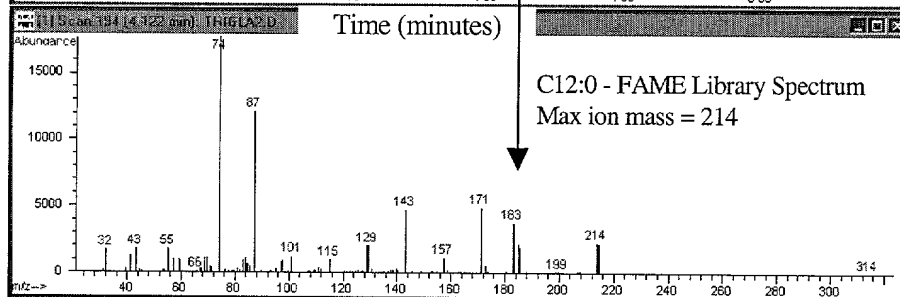


Fig. 6b



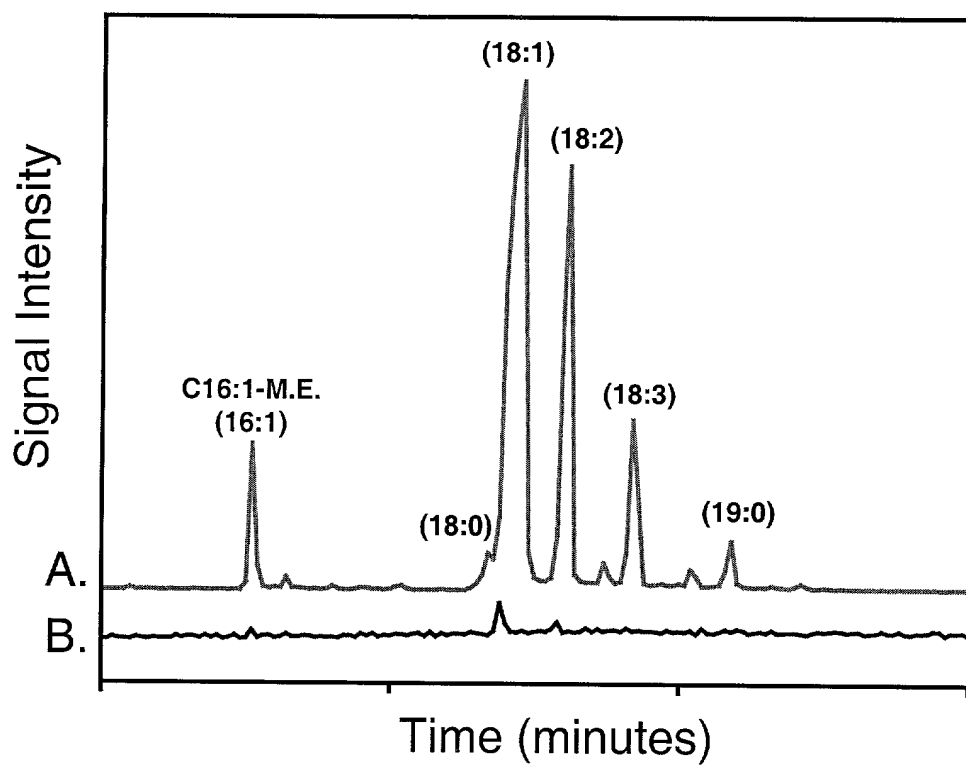


Fig. 7

Fig. 8a

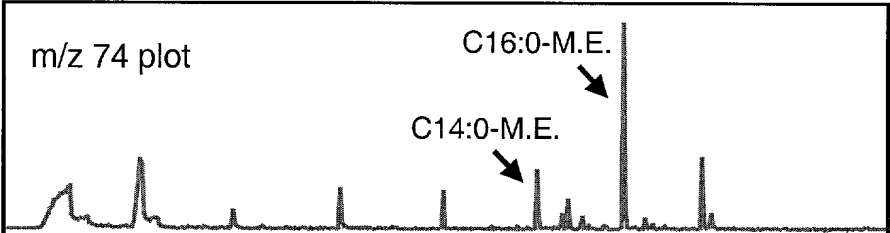
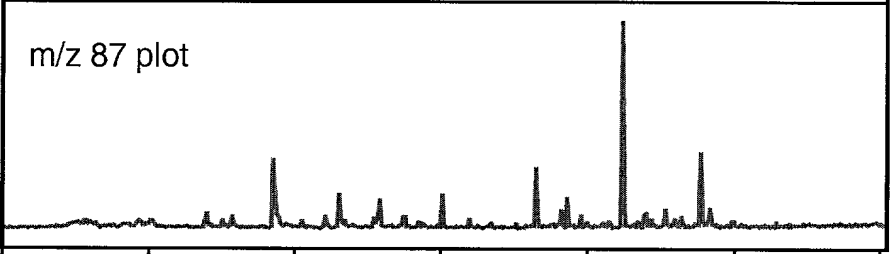


Fig. 8b



0 2 4 6 8 10 12

Time (minutes)